Specification

1/3" Sony Effio-E 960H Exview CCD Maximum 700TVL					
1/3"Sony Super HAD CCD 540TVL					
1/3"Sony Super HAD CCD 420TVL					

Pixels	700TVL	PAL:976*582		NTSC:976*494	
	540TVL	PAL:752×582		NTSC:768×494	
	420TVL	PAL:500×582		NTSC:510×492	

Level Synchroni-zation frequency	PAL:15.625KHZ NTSC:15.734KHZ
Clock frequency	PAL:19.3125 NISC:19.0699
Scanning System	2:1Deinterlacing
Minimum Illumination	0LUX(IR ON)
Sync.System	Synchronization
S/N Ratio	48 dB
Electronic Shutter	PAL:1/50-1/100,000sec NTSC:1/60-1/100,000
Gamma Correction	0.45
Video Output	1 Vpp,75 Ohms
AGC	Atuo
Power supply	DC12V900mA, Adapter DC12V 2A
Current	DC12V 900mA
Carton size	67*33*26cm
LED	12EA of 10mm IR LED
IR Distance	80M
Lens	9-22mm manual varifocal lens
Dimensions	590*360*200mm
Weight	900g/pcs
Operqting temperature	-10-45℃

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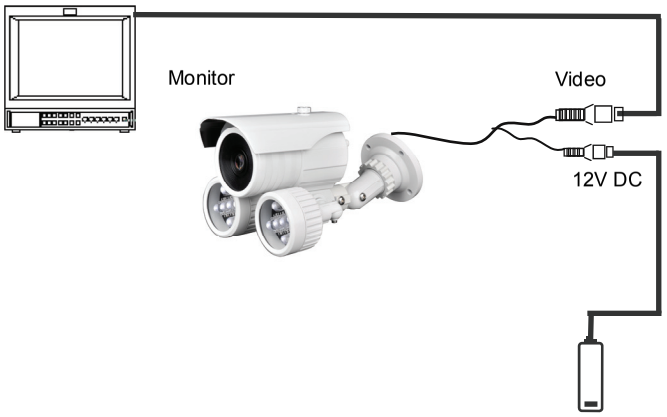
User Manual

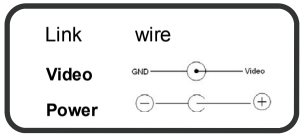
Weatherproof Color Camera

Notes: Before providing power for the camera, please read this User Guide in detail!

Do not attempt to disassemble the camera. If the camera can not work, please contact local franchiser or our company.

CONNECTING





Notes:

- The power supply must through safe attestation. Its output voltage、current、voltage polarity and operating temperature must match the camera's requirement.
- When using the camera in the thunderbolt condition, please note to mount Anti-thunder device or put off the power supply plug and cable.
- In order to capture high quality pictures, the power supply's cable and video output cable should not be too long.

PRODUCT IMAGE

TROUBLE AND SOLUTION

1. No Picture after providing power

. May be the power supply voltage abnormity, please check the power supply voltage and pole whether exactitude.

. Please check all the connecting cable and monitors whether be connected correctly or not.

2. The picture level direction have flowing interference ripples

. May be caused by the power supply AC ripples, it need filter the wave of the power supply.

. Check the monitor and peripheral equipments used.

3. The picture background color changes continuously

. The fluorescent lamp's electromagnetic field cause color roll. This is proper phenomenon of the cameras.

. Reduce the fluorescent lamp numbers or increase the distance between the camera and the fluorescent lamps can improve it.

. Use power supply external sync. camera can solve it.

4. The picture smear too mass

. The power supply's voltage unstable.

. Connecting cables not connect correctly or have high impedance.

INTRODUCTION

Congratulations on your purchase of this product. We adopt the latest SONY technical of sensor and driver. The most attractive characteristics are water-resistant, and widely applicable to day & night, indoor & outdoor. In addition, it owns the characters of high definition and stability, strong anti-jamming, rich and real color. Fixing and using this model are convenient too. It is very good for you to apply to yours CCTV system.

Please read this instruction manual carefully to ensure proper use of the product.

To prevent fire or shock hazarded. Do not expose the unit into water too long time directly.

The symbol is intended to alert the user to the presence of important operating and maintenance (servicing) Instructions in the literature accompanying the appliance.

The symbol is intended to alert the user to the presence of uninsulated 'dangerous voltage' within the product's enclosure that may be of sufficient Magnitude to constitute a risk of electric shock to persons.

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK
DO NOT REMOVE COVER OR BANCK NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING

CAUTION:
To prevent electric shocks and risk of fire hazards, do NOT use other than specified power source.

Note:

- Please note the camera's operating temperature and its using environment requirement. Avoid using the camera at too high or too low temperatures. The operating temperature is -10℃-50℃. (Recommendatory operating temperature is -5℃--40℃.)
- Never make the camera face the sun or bright object. Otherwise, it will damage the CCD.
- Do not mount the camera near by the radiator or heater.